Volcanoes™

COPYRIGHT © 1981 EARTHWARE SERVICES, INC.

A Product of

The Software Guild

SYSTEM REQUIREMENTS

Apple® II, II+ or Franklin Ace™ 1000 • 48K RAM
Applesoft • One Disk Drive • Dos 3.3

T.M.

Softsmith SOFTWARE

APPLE II
FRANKLIN G2002
Volcanoes
Softsmith™
Volcanoes

SOFT SECTORED
SINGLE SIDED
DUAL DENSITY

A PRODUCT OF
The Software Guild™

Softsmith™

OVERVIEW

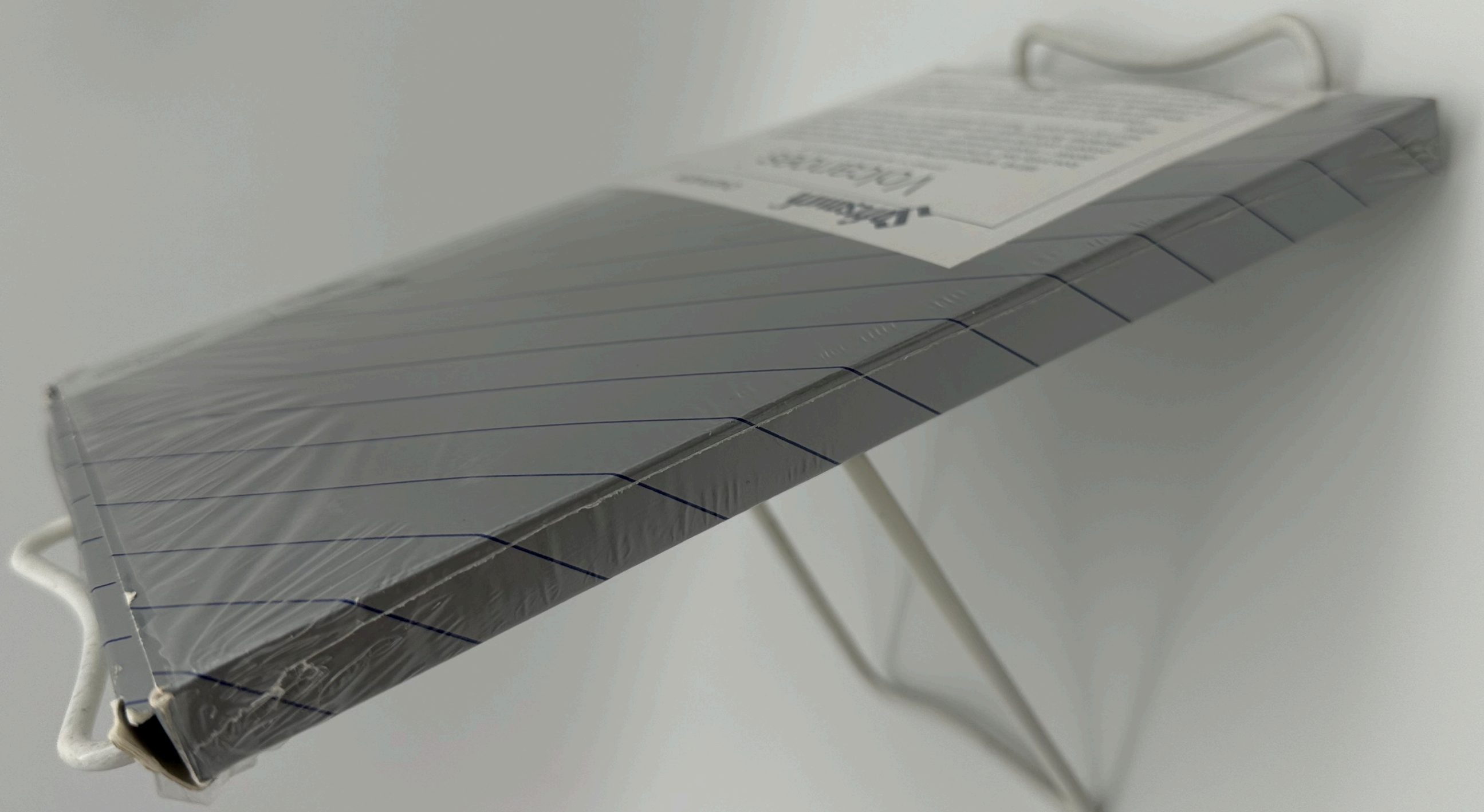
Volcanoes™

COPYRIGHT © 1981 EARTHWARE SERVICES, INC.

Will Mt. Ashfall erupt? Results of the seismic survey and infrared scan look pretty bad. As the scientist responsible for monitoring the area you debate — should we evacuate? If a blow out does occur, loss of life and property could be substantial — making Mt. St. Helens look like a dud firecracker. But then again, your reputation is on the line and a false alarm won't do it any good. There's no one to turn to — the decision is yours alone.

Volcanoes is a sophisticated game for older children and adults. Although we call it a game, the program and manual were written by a professional volcanologist, and together comprise an introductory course to volcanic processes. The various types of eruptions, volcanic rock types and modern scientific techniques for monitoring volcanoes are all covered.

SEE DEALER FOR COPY OF WARRANTY



Softsmith™

SOFT SECTORED
SINGLE SIDED
DUAL DENSITY

Volcanoes

APPLE II
FRANKLIN G2002

A PRODUCT OF
The Software Guild™

Softsmith™

OVERVIEW

Volcanoes™

COPYRIGHT OF WARRANTY

A PRODUCT OF
The Software Guild™

Softsmith™

OVERVIEW

Volcanoes™

COPYRIGHT © 1981 EARTHWARE SERVICES, INC.

Will Mt. Ashfall erupt? Results of the seismic survey and infrared scan look pretty bad. As the scientist responsible for monitoring the area you debate — should we evacuate? If a blow out does occur, loss of life and property could be substantial — making Mt. St. Helens look like a dud firecracker. But then again, your reputation is on the line and a false alarm won't do it any good. There's no one to turn to — the decision is yours alone.

Volcanoes is a sophisticated game for older children and adults. Although we call it a game, the program and manual were written by a professional volcanologist, and together comprise an introductory course to volcanic processes. The various types of eruptions, volcanic rock types and modern scientific techniques for monitoring volcanoes are all covered.

SEE DEALER FOR COPY OF WARRANTY

Volcanoes
The Software Guild
SYSTEM REQUIREMENTS
Apple II, II+ or Franklin Ace™ 1000
Applesoft
One Disk Drive
48K RAM
DOS 3.3
TM
VOLCANOES
SOFTWARE

Volcanoes
SYSTEM REQUIREMENTS

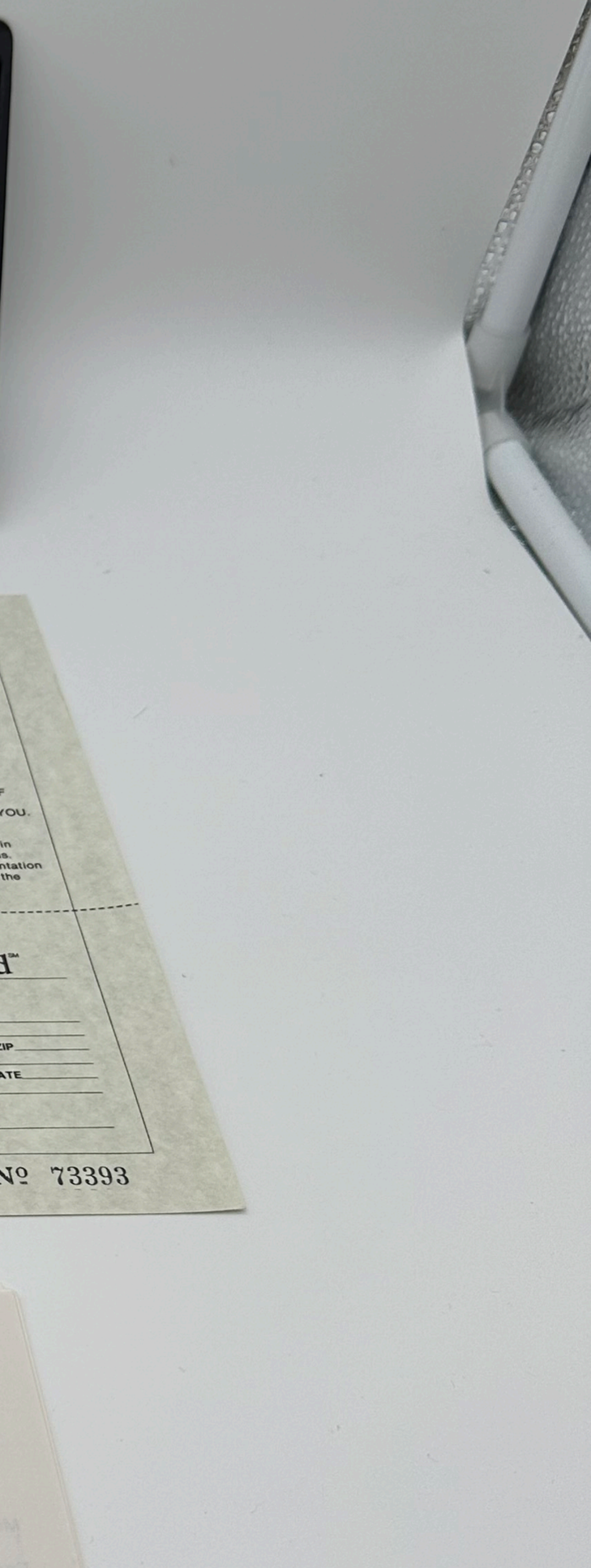
Softsmurfs
Volcanoes
OVERVIEW

APPLE II
FRANKLIN ACE 2000

Volcanoes

OVERVIEW

SEE DEALER FOR COPY OF WARRANTY



Volcanoes™

COPYRIGHT © 1981 EARTHWARE SERVICES, INC.

A Product of

The Software Guild

SYSTEM REQUIREMENTS

Apple® II, II+ or Franklin Ace™ 1000 • 48K RAM
Applesoft • One Disk Drive • Dos 3.3

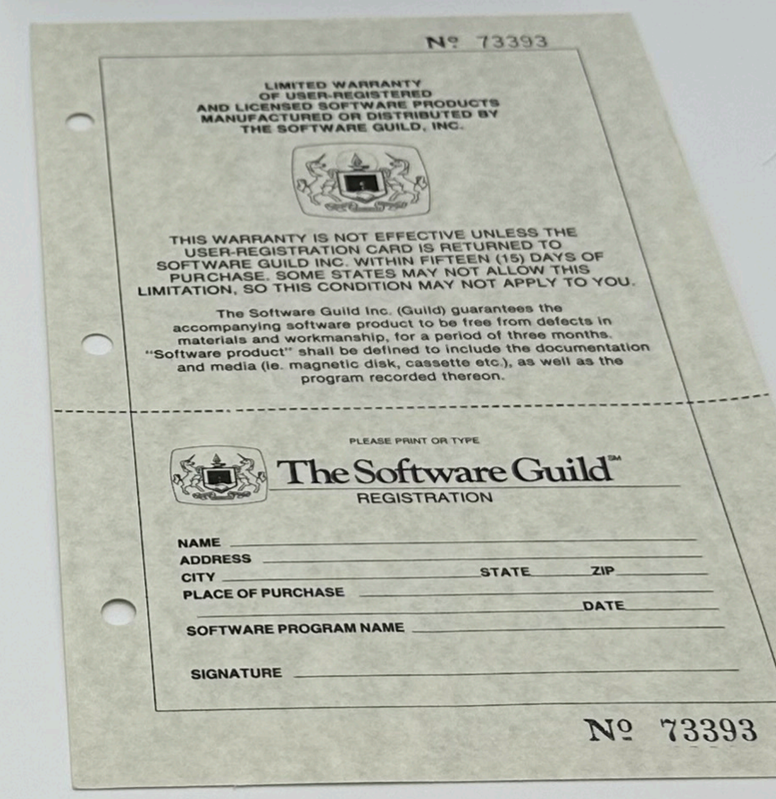
PACKAGE CONTENTS

Volcanoes Diskette
Instruction Booklet
Sample Map Sheets
Warranty Card

OVERVIEW

Will Mt. Ashfall erupt? Results of the seismic survey and infrared scan look pretty bad. As the scientist responsible for monitoring the area you debate — should we evacuate? If a blow out does occur, loss of life and property could be substantial — making Mt. St. Helens look like a dud firecracker. But then again, your reputation is on the line and a false alarm won't do it any good. There's no one to turn to — the decision is yours alone.

Volcanoes is a sophisticated game for older children and adults. Although we call it a game, the program and manual were written by a professional volcanologist, and together comprise an introductory course to volcanic processes. The various types of eruptions, volcanic rock types and modern scientific techniques for monitoring volcanoes are all covered.



Nº 73393

**LIMITED WARRANTY
OF USER-REGISTERED
AND LICENSED SOFTWARE PRODUCTS
MANUFACTURED OR DISTRIBUTED BY
THE SOFTWARE GUILD, INC.**

THIS WARRANTY IS NOT EFFECTIVE UNLESS THE USER-REGISTRATION CARD IS RETURNED TO SOFTWARE GUILD INC. WITHIN FIFTEEN (15) DAYS OF PURCHASE. SOME STATES MAY NOT ALLOW THIS LIMITATION, SO THIS CONDITION MAY NOT APPLY TO YOU.

The Software Guild Inc. (Guild) guarantees the accompanying software product to be free from defects in materials and workmanship, for a period of three months. "Software product" shall be defined to include the documentation and media (ie. magnetic disk, cassette etc.), as well as the program recorded thereon.

PLEASE PRINT OR TYPE

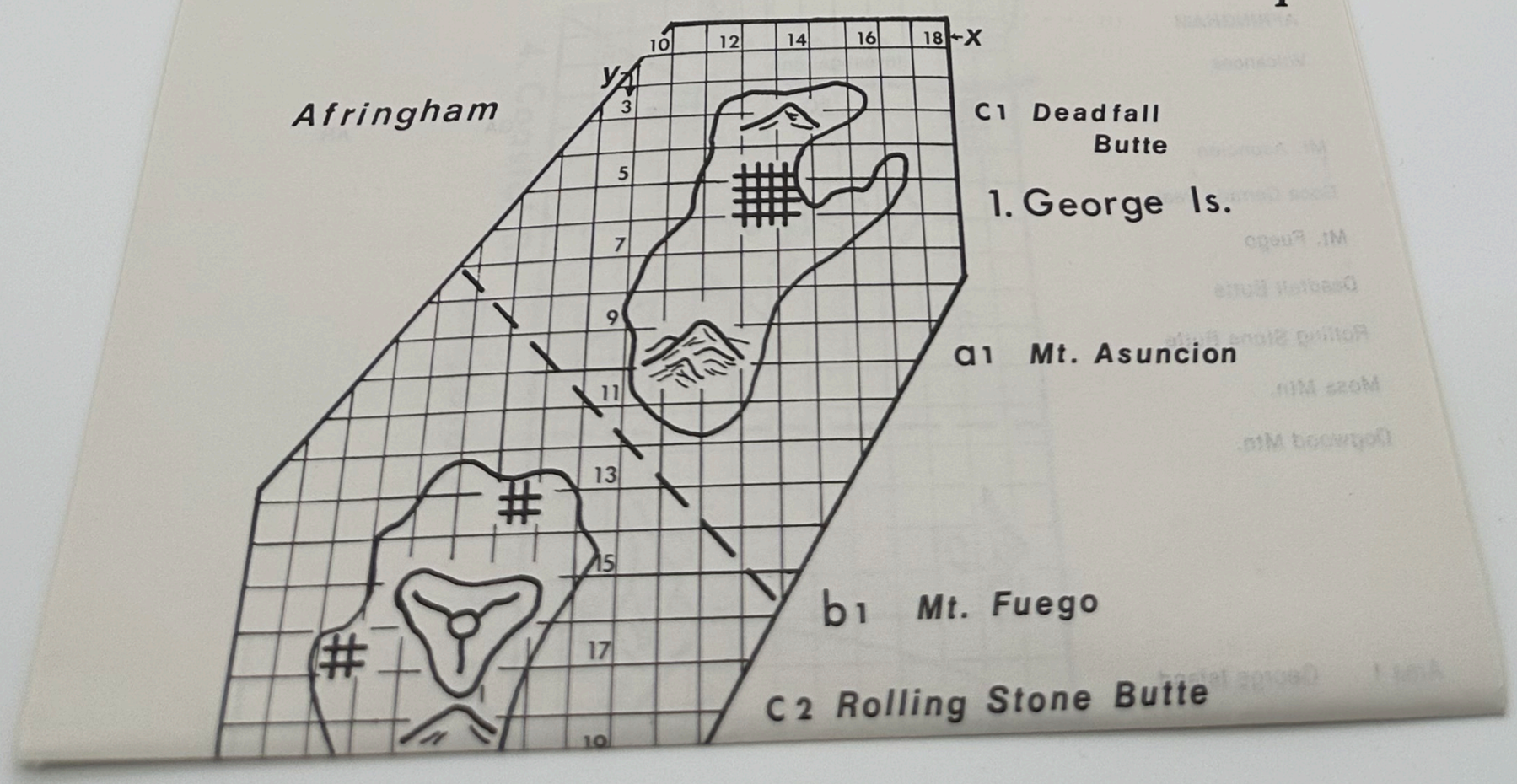
The Software Guild℠

REGISTRATION

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
PLACE OF PURCHASE _____
DATE _____
SOFTWARE PROGRAM NAME _____

SIGNATURE _____

Nº 73393



№ 73393

LIMITED WARRANTY
OF USER-REGISTERED
AND LICENSED SOFTWARE PRODUCTS
MANUFACTURED OR DISTRIBUTED BY
THE SOFTWARE GUILD, INC.

THIS WARRANTY IS NOT EFFECTIVE UNLESS THE USER-REGISTRATION CARD IS RETURNED TO SOFTWARE GUILD INC. WITHIN FIFTEEN (15) DAYS OF PURCHASE. SOME STATES MAY NOT ALLOW THIS LIMITATION, SO THIS CONDITION MAY NOT APPLY TO YOU.

The Software Guild Inc. (Guild) guarantees the accompanying software product to be free from defects in materials and workmanship, for a period of three months. "Software product" shall be defined to include the documentation and media (ie. magnetic disk, cassette etc.), as well as the program recorded thereon.

PLEASE PRINT OR TYPE

The Software Guild℠

REGISTRATION

NAME _____

ADDRESS _____

CITY _____ **STATE** _____ **ZIP** _____

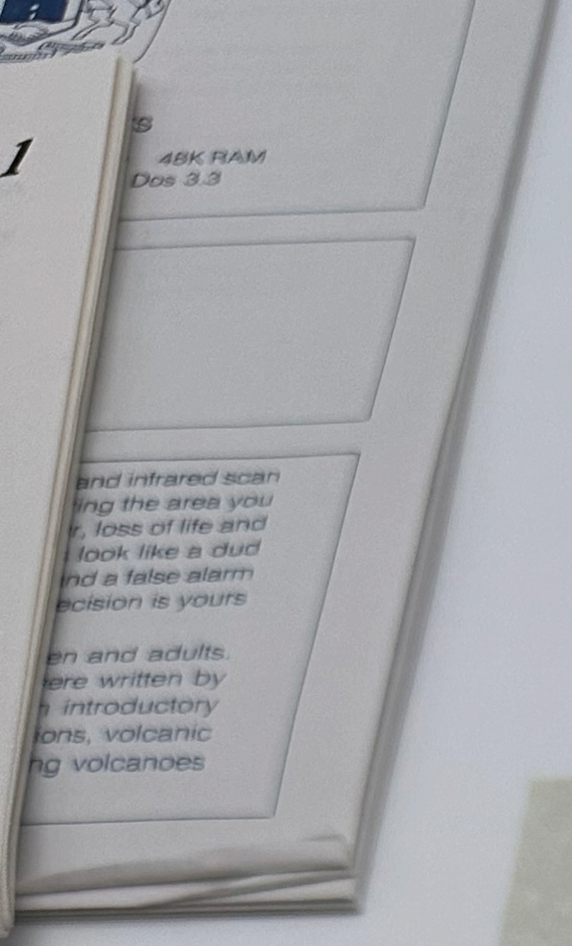
PLACE OF PURCHASE _____

_____ **DATE** _____

SOFTWARE PROGRAM NAME _____

SIGNATURE _____

№ 73393



Should the software product be found defective in materials or workmanship during the three month guarantee period, Guild or retailer will promptly replace product free of charge. THIS WARRANTY IS CONDITIONED AND LIMITED BY THE FOLLOWING PROVISIONS:

1) THIS WARRANTY SHALL APPLY ONLY TO THE ORIGINAL CONSUMER-PURCHASER AND SHALL NOT BE APPLICABLE TO ANY SUBSEQUENT TRANSFEREES.

2) THIS WARRANTY SHALL APPLY ONLY TO DEFECTS IN MATERIAL AND WORKMANSHIP AND IS LIMITED TO SUCH DEFECTS ARISING IN THE COURSE OF NORMAL USE, SERVICE, AND STORAGE CONDITIONS. FURTHERMORE, GUILD MAKES NO WARRANTY OR GUARANTEE TO REPLACE ANY PRODUCT WHICH HAS BEEN ACCIDENTALLY DAMAGED OR SUBJECTED TO ABUSE, MISHANDLING OR MISAPPLICATION. NOR SHALL SAID WARRANTY OR GUARANTEE APPLY WHERE PURCHASER HAS ATTEMPTED TO USE THE SOFTWARE PRODUCT CONTRARY TO THE TERMS OF THE USER LICENSE OR THE INSTRUCTIONS SET FORTH IN THE DOCUMENTATION OR CATALOGUE DESCRIPTION OF THE PRODUCT.

3) PURCHASER SHALL RETURN ANY DEFECTIVE SOFTWARE PRODUCT TO EITHER THE AUTHORIZED DEALER OR RETAILER, FROM WHOM THE PRODUCT WAS PURCHASED, OR TO SOFTWARE GUILD INC. PURCHASER SHALL BEAR THE EXPENSE OF RETURNING DEFECTIVE PRODUCT.

4) GUILD SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM USE OF A DEFECTIVE SOFTWARE PRODUCT. IN VIEW OF THE UNFORSEEABLE NATURE AND EXTENT OF POSSIBLE LOSS RESULTING FROM USE OF A DEFECTIVE SOFTWARE PRODUCT, UNDER THE TERMS OF THIS WARRANTY, PURCHASER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REPLACEMENT OF THE SOFTWARE PRODUCT OR THE PURCHASE PRICE THEREOF, AT GUILD'S OPTION. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

5) ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE PERIOD OF NINETY (90) DAYS FROM THE DATE OF DELIVERY.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

PLACE
POSTAGE
STAMP
HERE

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

SYSTEM REQUIREMENTS

PACKAGE CONTENTS

Volcanoes Diskette
Instruction Booklet
Sample Map Sheets
Warranty Card

OVERVIEW

THE SOFTWARE GUILD, INC.
23213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

1

Afringham

C1 Deadfall Butte

1. George Is.

a1 Mt. Asuncion

b1 Mt. Fuego

C2 Rolling Stone Butte

C3 Moss Mtn.

2. Charlotte Is.

C4 Dogwood Mtn.

a2 Boca Cerrada Peak

3. Prince Ernest Is.

GGG '81

Name

2

3

4

5

6. Coastal C.

7 Interior Camasport

8. Coastal Derkin

9. Northeastern Derkin

Camasport

Derkin

OVERVIEW

Will Mt. Ashfall erupt? Results of the seismic
look pretty bad. As the scientist responsible for
debate — should we evacuate? If a blow out do
property could be substantial — mak
firecracker. But then again, your reputa
won't do it any good. There's no
alone

AFRINGHAM

Volcanoes

	Investigations				
	SS	EC	TS	GA	AR
Mt. Asuncion					
Boca Cerrada Peak					
Mt. Fuego					
Deadfall Butte					
Rolling Stone Butte					
Moss Mtn.					
Dogwood Mtn.					

IR

Area 1 George Island

Area 2 Charlotte Island

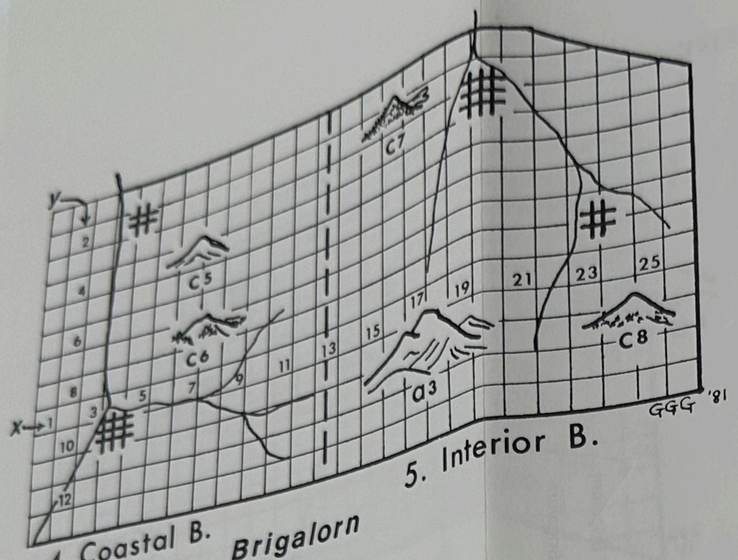
Area 3 Prince Ernest Island

NOTES

4. Coastal B. *Brigalorn*

5. Interior B.

C3 Cumulus Peak
C5 Ratchet Mtn.
C6 Rumble Butte
C7 Bear Claw Butte
C8 Salt Lick Mtn.



4. Coastal B. Brigalorn

5. Interior B.

a3 Cumulus Peak
C5 Ratchet Mtn.
C6 Rumble Butte
C7 Bear Claw Butte
C8 Salt Lick Mtn.

Name

AFRINGHAM

Volcanoes

Investigations

SS EC TS GA AR

Mt. Asuncion

Boca Cerrada Peak

Mt. Fuego

Deadfall Butte

Rolling Stone Butte

Moss Mtn.

Dogwood Mtn.

IR

Area 1 George Island

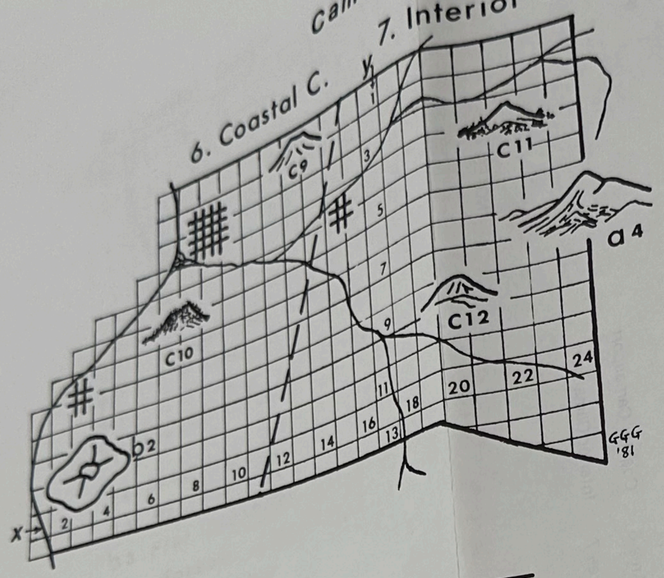
Area 2 *Charlotte Island*

Area 3 *Prince Ernest Island*

NOTES

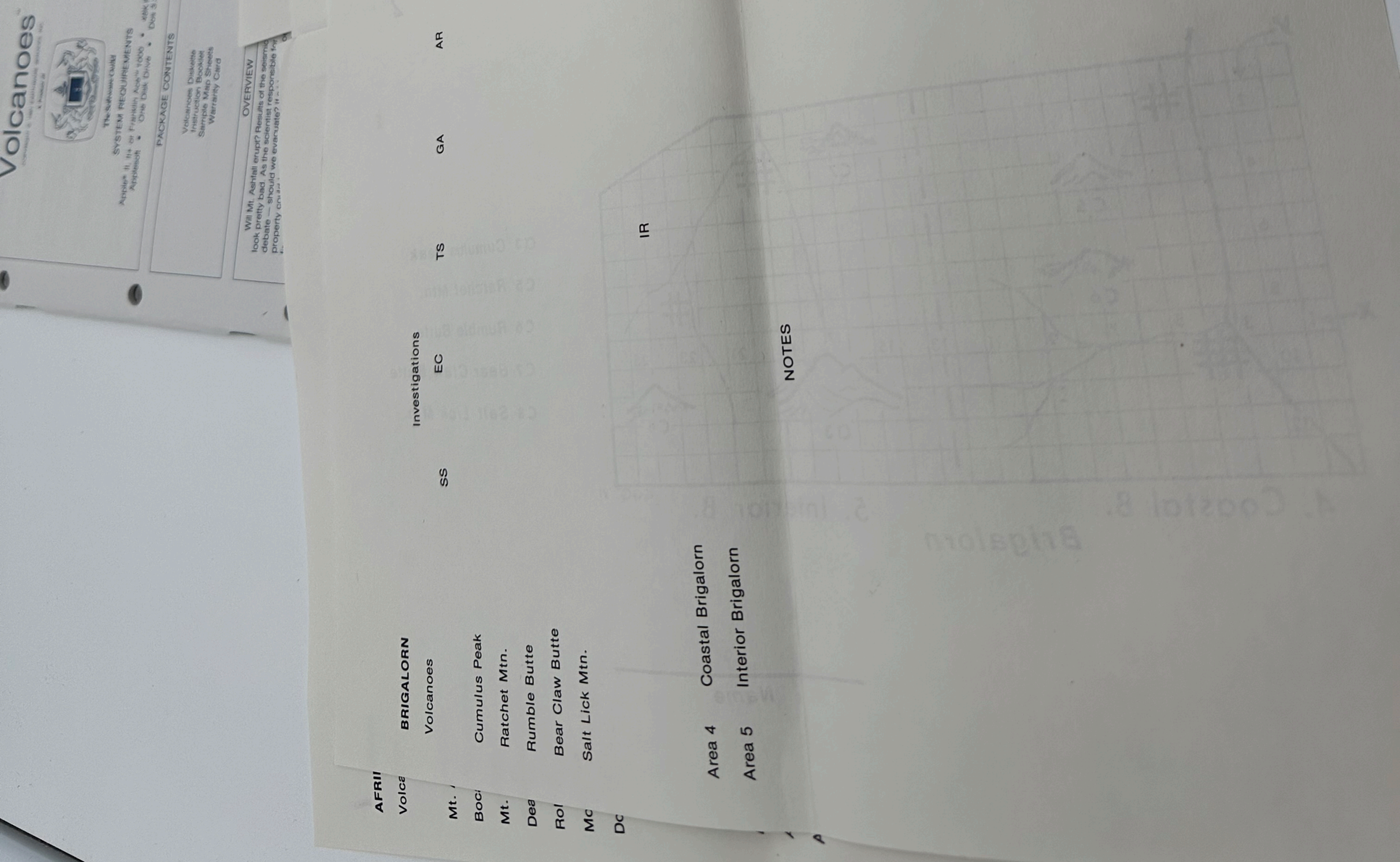
Camasport

6. Coastal C. 7. Interior Camasport



a4 Skyline Peak
b2 Rift Mtn.
C9 Broken Thumb Butte
C10 El Matador
C11 Bubbling Springs Mtn.
C12 Broken Fish Mtn.

Name



8. Coastal Derkin

a4 Skyline Peak
a5 Mt. Ashfall
b3 Flat Top Mtn.
C13 Forked Tongue Butte
C14 Dyke Butte
C15 Conejo Mtn.
C16 Twisted Trunk Mtn.
C17 Whisper Butte

Name

9. Northeastern Derkin

10. Southeastern Derkin

GGG '81

AFRINGHA **CAMASPORT**

Volcanoes Volcanoes

Investigations

Mt. Asu	Skyline Peak	SS	EC	
Boca C	Rift Mtn.		TS	GA AR
Mt. Fu	Broken Thumb Mtn.			
Deadf	El Matador			
Rolli	Bubbling Springs Mtn.		IR	
Mos	Broken Fish Mtn.			
Do				

Area 6 Coastal Camasport

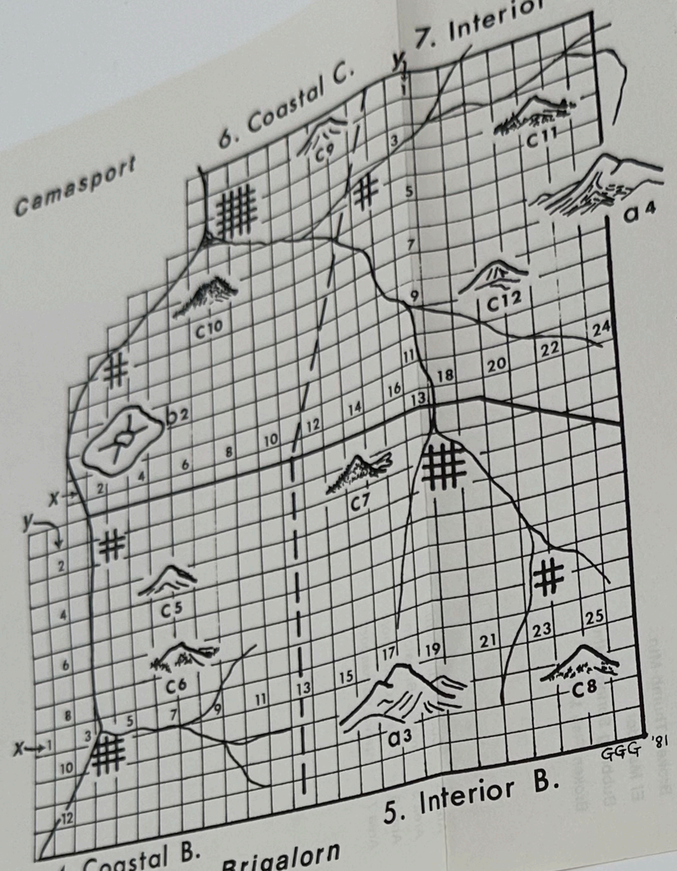
Area 7 Interior Camasport

NOTES

Camasport

6. Coastal C.

7. Interior Camasport



4. Coastal B.

Brigalorn

5. Interior B.

a4 Skyline Peak
b2 Rift Mtn.
C9 Broken Thumb Butte
C10 El Matador
C11 Bubbling Springs Mtn.
C12 Broken Fish Mtn.

Name

a3 Cumulus Peak
C5 Ratchet Mtn.
C6 Rumble Butte
C7 Bear Claw Butte
C8 Salt Lick Mtn.

Volcanoes

THE SOFTWARE GUILD, INC.
20813 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

SYSTEM REQUIREMENTS
Apple® II, II+ or Franklin Ace™ 1000 • 48K RAM
Applesoft • One Disk Drive • Dos 3.3

PACKAGE CONTENTS
Volcanoes Diskette
Instruction Booklet
Sample Map Sheets
Warranty Card

OVERVIEW
Will Mt. Ashfall erupt?

DERKIN
Volcanoes
Investigations
SS EC TS GA AR
Skyline Peak
Mt. Ashfall
Flat Top Mtn.
Forked Tongue Butte
Dyke Butte
Conejo Mtn.
Twisted Trunk Mtn.
Whisper Butte
IR
Area 8 Coastal Derkin
Area 9 Northeastern Derkin
Area 10 Southeastern Derkin
NOTES

PACKAGE CONTENTS

OVERVIEW

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

PLACE POSTAGE STAMP HERE

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

DERKIN

Volcanoes

AFRI

Volca

Skyline Peak
Mt. Ashfall
Flat Top Mtn.
Forked Tongue But
Dyke Butte
Conejo Mtn.
Twisted Trunk Mtn.
Whisper Butte

Mt.
Boc
Mt
De
R
N
D

Area 8 Coastal D
Area 9 Northeas
Area 10 Southeas

CAMASPORT and BRIGALORN

Volcanoes

Investigations

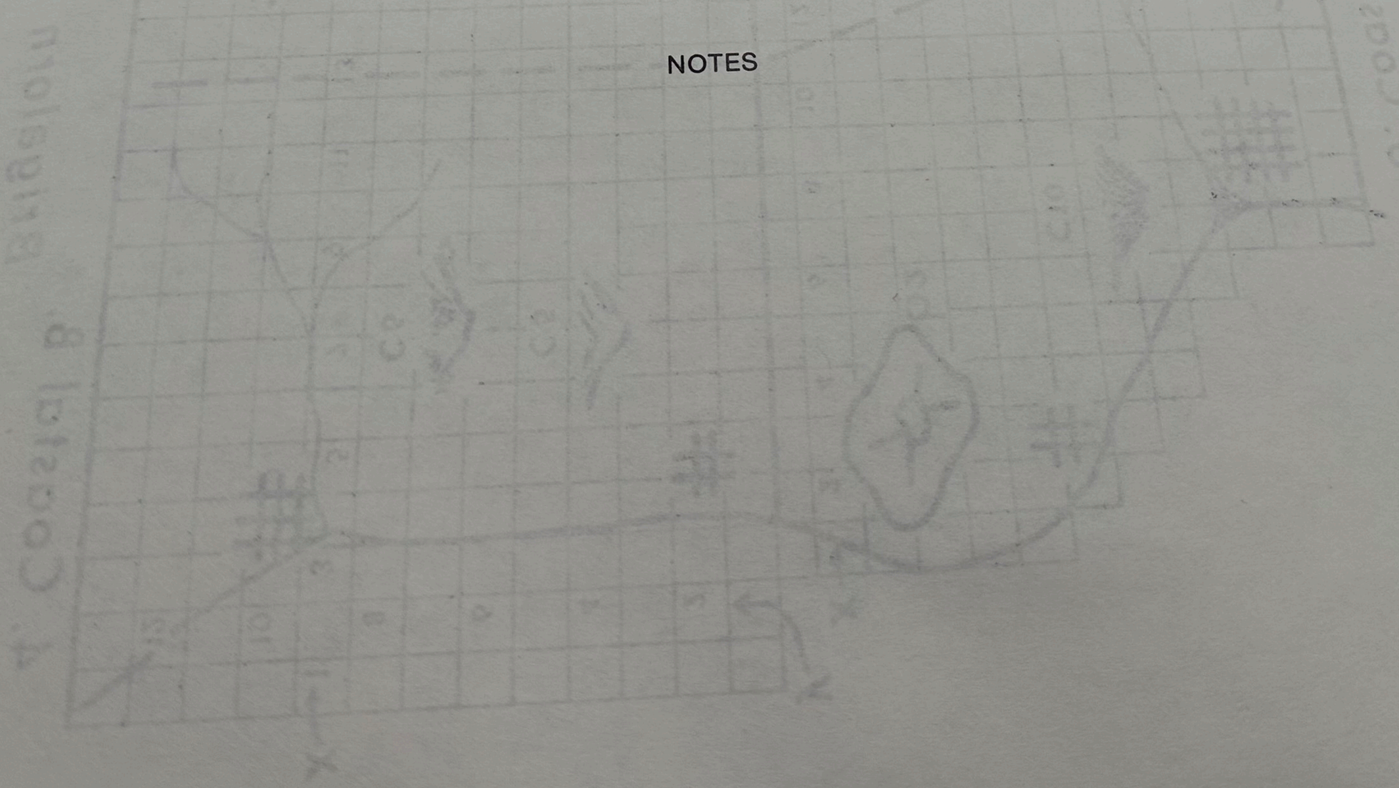
SS EC TS GA AR

Cumulus Peak
Skyline Peak
Rift Mtn.
Ratchet Mtn.
Rumble Butte
Bear Claw Butte
Salt Lick Mtn.
Broken Thumb Mtn.
El Matador
Bubbling Springs Mtn.
Broken Fish Mtn.

IR

Area 4 Coastal Brigalorn
Area 5 Interior Brigalorn
Area 6 Coastal Camasport
Area 7 Interior Camasport

NOTES



Volcanoes™

COPYRIGHT © 1981 EARTHWARE SERVICES, INC

A Product of

The Software Guild

SYSTEM REQUIREMENTS

Apple® II, II+ or Franklin Ace™ 1000 • 48K RAM
Applesoft • One Disk Drive • Dos 3.3

PACKAGE CONTENTS

Volcanoes Diskette
Instruction Booklet
Sample Map Sheets
Warranty Card

OVERVIEW

Will Mt. Ashfall erupt? Results of the seismic survey and infrared scan look pretty bad. As the scientist responsible for monitoring the area you debate — should we evacuate? If a blow out does occur, loss of life and property could be substantial — making Mt. St. Helens look like a dud firecracker. But then again, your reputation is on the line and a false alarm won't do it any good. There's no one to turn to — the decision is yours alone.

Volcanoes is a sophisticated game for older children and adults. Although we call it a game, the program and manual were written by a professional volcanologist, and together comprise an introductory course to volcanic processes. The various types of eruptions, volcanic rock types and modern scientific techniques for monitoring volcanoes are all covered.

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545

IMPORTANT TIPS

Do make sure the shift lock light is lit if running this program on the Franklin Ace. This program recognizes only capital letters.

Do not press <CTRL-C> while the program is running. Results are unpredictable and damage to your program may result.

Do not open the disk drive door while the "in-use" light is on. This may damage your diskette and render it unusable.

Do not try to make a copy of this disk. Software Guild diskettes are uncopyable. If during normal use something goes wrong with your diskette, please refer to the Troubleshooting section of this manual. The Software Guild will replace your diskette as soon as possible.

Do not use a write protect tab on your Volcanoes diskette. A write protect tab prevents you from writing information on your diskette, thus preventing you from saving your games.

Program and graphics image codes copyright Earthware Computer Services. Unpacking routine copyright D. Lubar and M. Pelczarski. Dos 3.3 and Chain Routine copyright Apple Computer, Inc.

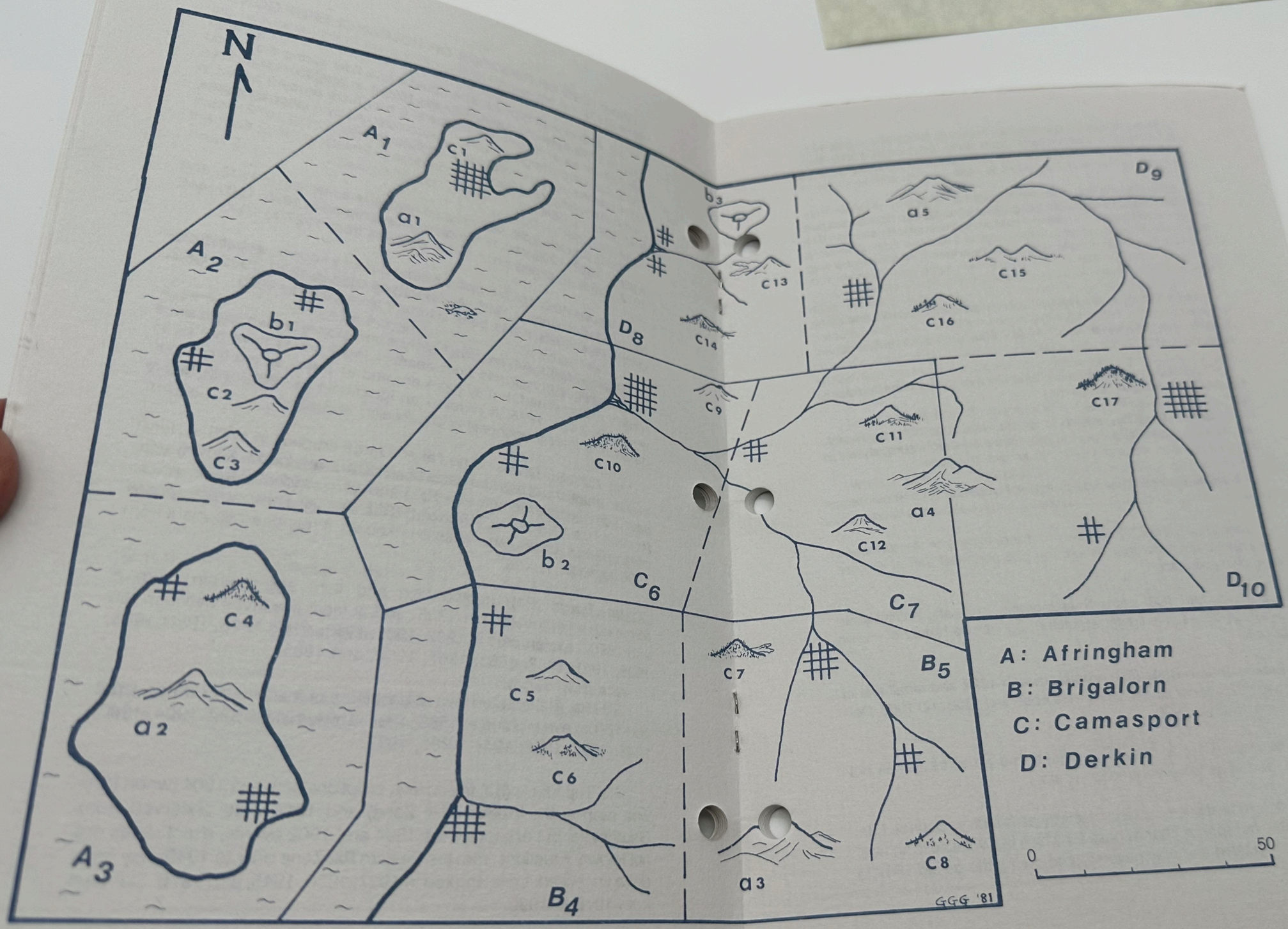
Permission is hereby granted to the original purchaser of Volcanoes to reproduce the maps provided. You may also order additional sets of the maps at a cost of $5.00 (subject to change) per complete set. Please send order and payment to:

Earthware Computer Services
P.O. Box 30039
Eugene, OR 97403

Volcanoes Manual v1
October 1982
Edited by The Software Guild

Apple is a registered trademark of Apple Computers, Inc.
Franklin Ace is a trademark of Franklin Computers Corporation.
Softsmith is a trademark of Softsmith Corp.
The Software Guild is a service mark of The Software Guild.

Table of Contents

	Page
System Requirements	Front cover
Package Contents	Front cover
Overview	Front cover
Important Tips	Inside cover
I. Introduction to the Game	1
Warranty Card	1
Getting Started	1
How to Play Volcanoes	2
II. Volcanoes and Volcanoes-Game and Science	4
General Historical Background	4
Volcanology	7
Summaries of Volcanic Eruptions (pre-1990)	11
Glossary	16
Information on Investigations	19
III. Troubleshooting	27

THE SOFTWARE GUILD, INC.
24213 CLAWITER RD.
HAYWARD, CALIFORNIA 94545